

Noel A Clark

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481
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516
ext. papers

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ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
481	Submicrosecond bistable electro-optic switching in liquid crystals. <i>Applied Physics Letters</i> , 1980 , 36, 899-901	30.1	2249
480	Spontaneous formation of macroscopic chiral domains in a fluid smectic phase of achiral molecules. <i>Science</i> , 1997 , 278, 1924-7	33.3	1081
479	"Chevron" local layer structure in surface-stabilized ferroelectric smectic-C cells. <i>Physical Review Letters</i> , 1987 , 59, 2658-2661	7.4	463
478	Steric interactions in a model multimembrane system: A synchrotron x-ray study. <i>Physical Review Letters</i> , 1986 , 57, 2718-2721	7.4	377
477	Chiral heliconical ground state of nanoscale pitch in a nematic liquid crystal of achiral molecular dimers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 15931-6	11.5	368
476	End-to-end stacking and liquid crystal condensation of 6 to 20 base pair DNA duplexes. <i>Science</i> , 2007 , 318, 1276-9	33.3	321
475	Light-Scattering Study of Two-Dimensional Molecular-Orientation Fluctuations in a Freely Suspended Ferroelectric Liquid-Crystal Film. <i>Physical Review Letters</i> , 1978 , 40, 773-776	7.4	310
474	A ferroelectric liquid crystal conglomerate composed of racemic molecules. <i>Science</i> , 2000 , 288, 2181-4	33.3	283
473	Single colloidal crystals. <i>Nature</i> , 1979 , 281, 57-60	50.4	283
472	Polarization-modulated smectic liquid crystal phases. <i>Science</i> , 2003 , 301, 1204-11	33.3	271
471	Helical nanofilament phases. <i>Science</i> , 2009 , 325, 456-60	33.3	259
470	Polarized Raman scattering studies of orientational order in uniaxial liquid crystalline phases. <i>Journal of Chemical Physics</i> , 1977 , 66, 4635-4661	3.9	257
469	Shear-Induced Melting. <i>Physical Review Letters</i> , 1981 , 46, 123-126	7.4	243
468	Polarized infrared spectroscopy of oriented purple membrane. <i>Biophysical Journal</i> , 1979 , 25, 473-87	2.9	231
467	Chiral isotropic liquids from achiral molecules. <i>Science</i> , 2009 , 325, 452-6	33.3	224
466	Electro-optic behavior of liquid-crystal-filled silica opal photonic crystals: effect of liquid-crystal alignment. <i>Physical Review Letters</i> , 2001 , 86, 4052-5	7.4	219
465	Three-dimensional structure and multistable optical switching of triple-twisted particle-like excitations in anisotropic fluids. <i>Nature Materials</i> , 2010 , 9, 139-45	27	209

464	Ferroelectric Liquid Crystal Electro-Optics Using the Surface Stabilized Structure. <i>Molecular Crystals and Liquid Crystals</i> , 1983 , 94, 213-233		208
463	Phase behavior of the liquid crystal 8CB in a silica aerogel. <i>Physical Review Letters</i> , 1992 , 69, 788-791	7.4	207
462	Measurement of the Rotational Diffusion Coefficient of Lysozyme by Depolarized Light Scattering: Configuration of Lysozyme in Solution. <i>Journal of Chemical Physics</i> , 1971 , 54, 5158-5164	3.9	191
461	Smectic-C "chevron," a planar liquid-crystal defect: Implications for the surface-stabilized ferroelectric liquid-crystal geometry. <i>Physical Review A</i> , 1988 , 37, 1053-1056	2.6	190
460	Lipid tubule self-assembly: length dependence on cooling rate through a first-order phase transition. <i>Science</i> , 1995 , 267, 1635-8	33.3	186
459	Nucleation and growth of colloidal crystals. <i>Physical Review Letters</i> , 1986 , 57, 1733-1736	7.4	182
458	Structures and responses of ferroelectric liquid crystals in the surface-stabilized geometry. <i>Ferroelectrics</i> , 1984 , 59, 69-116	0.6	182
457	Twist-bend heliconical chiral nematic liquid crystal phase of an achiral rigid bent-core mesogen. <i>Physical Review E</i> , 2014 , 89, 022506	2.4	181
456	Universality and scaling in the disordering of a smectic liquid crystal. <i>Science</i> , 2001 , 294, 1074-9	33.3	178
455	Laser-induced freezing. <i>Physical Review Letters</i> , 1985 , 55, 833-836	7.4	177
454	Structure of the L beta phases in a hydrated phosphatidylcholine multimembrane. <i>Physical Review Letters</i> , 1988 , 60, 813-816	7.4	176
453	Field-Induced First-Order Orientation Transitions in Ferroelectric Liquid Crystals. <i>Physical Review Letters</i> , 1983 , 51, 471-474	7.4	171
452	Strain-induced instability of monodomain smectic A and cholesteric liquid crystals. <i>Applied Physics Letters</i> , 1973 , 22, 493-494	3.4	162
451	Observation of the Coupling of Concentration Fluctuations to Steady-State Shear Flow. <i>Physical Review Letters</i> , 1980 , 44, 1005-1008	7.4	158
450	Surface-stabilized ferroelectric liquid crystal electro-optics: New multistate structures and devices. <i>Ferroelectrics</i> , 1984 , 59, 25-67	0.6	149
449	Sheared colloidal suspensions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1983 , 118, 221-249	3.3	149
448	Neutron scattering from charge stabilized suspensions undergoing shear. <i>Journal of Chemical Physics</i> , 1986 , 84, 2344-2349	3.9	148
447	Freely Suspended Ferroelectric Liquid-Crystal Films: Absolute Measurements of Polarization, Elastic Constants, and Viscosities. <i>Physical Review Letters</i> , 1979 , 42, 1220-1223	7.4	148

446	Macroscopic Orientation Patterns in Smectic-C Films. <i>Physical Review Letters</i> , 1980 , 45, 1193-1196	7.4	145
445	Surface-induced lamellar orientation of multilayer membrane arrays. Theoretical analysis and a new method with application to purple membrane fragments. <i>Biophysical Journal</i> , 1980 , 31, 65-96	2.9	144
444	A Study of Brownian Motion Using Light Scattering. <i>American Journal of Physics</i> , 1970 , 38, 575-585	0.7	143
443	Shear-induced partial translational ordering of a colloidal solid. <i>Physical Review A</i> , 1984 , 30, 906-918	2.6	140
442	X-ray structural studies of freely suspended ordered hydrated DMPC multimembrane films. <i>Journal of Chemical Physics</i> , 1990 , 92, 4519-4529	3.9	137
441	Alignment of liquid crystals with patterned isotropic surfaces. <i>Science</i> , 2001 , 291, 2576-80	33.3	135
440	Resonant Carbon K-Edge Soft X-Ray Scattering from Lattice-Free Heliconical Molecular Ordering: Soft Dilative Elasticity of the Twist-Bend Liquid Crystal Phase. <i>Physical Review Letters</i> , 2016 , 116, 147803	7.4	134
439	The parabolic focal conic : a new smectic a defect. <i>Journal De Physique</i> , 1977 , 38, 1105-1115		130
438	Dynamic Light Scattering Study of Nematic and Smectic-A Liquid Crystal Ordering in Silica Aerogel. <i>Physical Review Letters</i> , 1995 , 74, 2740-2743	7.4	127
437	Spontaneous ferroelectric order in a bent-core smectic liquid crystal of fluid orthorhombic layers. <i>Science</i> , 2011 , 332, 72-7	33.3	125
436	Design and synthesis of a new ferroelectric liquid crystal family. Liquid crystals containing a nonracemic 2-alkoxy-1-propoxy unit. <i>Journal of the American Chemical Society</i> , 1986 , 108, 5210-5221	16.4	122
435	Raman Scattering from a Nematic Liquid Crystal: Orientational Statistics. <i>Physical Review Letters</i> , 1973 , 31, 1552-1556	7.4	121
434	GENERATION OF ACOUSTIC SIGNALS IN LIQUIDS BY RUBY LASER-INDUCED THERMAL STRESS TRANSIENTS. <i>Applied Physics Letters</i> , 1964 , 4, 95-97	3.4	120
433	Surface memory effects in liquid crystals: Influence of surface composition. <i>Physical Review Letters</i> , 1985 , 55, 292-295	7.4	118
432	The case of thresholdless antiferroelectricity: polarization-stabilized twisted SmC* liquid crystals give V-shaped electro-optic response. <i>Journal of Materials Chemistry</i> , 1999 , 9, 1257-1261		116
431	Faster electro-optical response characteristics of a carbon-nanotube-nematic suspension. <i>Applied Physics Letters</i> , 2007 , 90, 033510	3.4	114
430	Effects of Monomer Structure on Their Organization and Polymerization in a Smectic Liquid Crystal. <i>Science</i> , 1997 , 275, 57-9	33.3	106
429	Photocontrolled nanophase segregation in a liquid-crystal solvent. <i>Nature</i> , 1999 , 398, 54-57	50.4	106

428	X-ray scattering study of smectic ordering in a silica aerogel. <i>Physical Review Letters</i> , 1993 , 71, 3505-3508	7.4	105
427	Electro-Optic Switching by Helicene Liquid Crystals. <i>Chemistry of Materials</i> , 2002 , 14, 773-776	9.6	103
426	Athermal photofluidization of glasses. <i>Nature Communications</i> , 2013 , 4, 1521	17.4	100
425	Anomalous amide I infrared absorption of purple membrane. <i>Science</i> , 1979 , 204, 311-2	33.3	100
424	Melting in Two-Dimensional Lennard-Jones Systems: Observation of a Metastable Hexatic Phase. <i>Physical Review Letters</i> , 1995 , 74, 4019-4022	7.4	97
423	Stroboscopic microscopy of fast electro-optic switching in ferroelectric smectic C liquid crystals. <i>Applied Physics Letters</i> , 1982 , 41, 39-41	3.4	97
422	Transfer of biologically derived nanometer-scale patterns to smooth substrates. <i>Science</i> , 1992 , 257, 642-4	5.3	95
421	Director and layer structure of SSFLC cells. <i>Ferroelectrics</i> , 1988 , 85, 79-97	0.6	90
420	Electrooptic response during switching of a ferroelectric liquid crystal cell with uniform director orientation. <i>Ferroelectrics</i> , 1987 , 73, 305-314	0.6	89
419	Lattice dynamics of colloidal crystals. <i>Physical Review A</i> , 1982 , 26, 2869-2881	2.6	88
418	Formation and Surface Modification of Nanopatterned Thiol-ene Substrates using Step and Flash Imprint Lithography. <i>Advanced Materials</i> , 2008 , 20, 3308-3313	24	87
417	Electro-optic characteristics of de Vries tilted smectic liquid crystals: Analog behavior in the smectic A* and smectic C* phases. <i>Applied Physics Letters</i> , 2002 , 80, 4097-4099	3.4	86
416	Right-handed double-helix ultrashort DNA yields chiral nematic phases with both right- and left-handed director twist. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 17497-502	11.5	84
415	A spectroscopic study of rhodopsin alpha-helix orientation. <i>Biophysical Journal</i> , 1980 , 31, 53-64	2.9	84
414	Phase behavior of bent-core molecules. <i>Physical Review E</i> , 2003 , 67, 011703	2.4	80
413	Electrostatics and the electro-optic behaviour of chiral smectics C: 'block' polarization screening of applied voltage and 'V-shaped' switching. <i>Liquid Crystals</i> , 2000 , 27, 985-990	2.3	79
412	Multidetector Scattering as a Probe of Local Structure in Disordered Phases. <i>Physical Review Letters</i> , 1983 , 50, 1459-1462	7.4	79
411	Brillouin Scattering from Smectic Liquid Crystals. <i>Physical Review Letters</i> , 1973 , 30, 639-641	7.4	78

410	Temperature behavior of ferroelectric liquid-crystal thin films: A classical XY system. <i>Physical Review A</i> , 1980 , 21, 140-147	2.6	77
409	Smectic A and C materials with novel director tilt and layer thickness behaviour. <i>Liquid Crystals</i> , 1999 , 26, 789-794	2.3	75
408	Thiol-acrylate main-chain liquid-crystalline elastomers with tunable thermomechanical properties and actuation strain. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017 , 55, 157-168	2.6	74
407	Inclusion compound based approach to arrays of artificial dipolar molecular rotors. A surface inclusion. <i>Journal of the American Chemical Society</i> , 2012 , 134, 10122-31	16.4	74
406	X-ray Scattering Studies of Aligned, Stacked Surfactant Membranes. <i>Science</i> , 1988 , 242, 1406-9	33.3	74
405	Spontaneous liquid crystal and ferromagnetic ordering of colloidal magnetic nanoplates. <i>Nature Communications</i> , 2016 , 7, 10394	17.4	73
404	Light-scattering measurement of the nematic correlation length in a liquid crystal with quenched disorder. <i>Physical Review E</i> , 1998 , 57, 2996-3006	2.4	73
403	Detecting Molecular Chirality by Scanning Tunneling Microscopy. <i>Accounts of Chemical Research</i> , 1996 , 29, 591-597	24.3	73
402	High strain actuation liquid crystal elastomers via modulation of mesophase structure. <i>Soft Matter</i> , 2017 , 13, 7537-7547	3.6	72
401	Phase separation and liquid crystallization of complementary sequences in mixtures of nanoDNA oligomers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 1111-7	11.5	72
400	Design and synthesis of new ferroelectric liquid crystals. 14. An approach to the stereocontrolled synthesis of polar organic thin films for nonlinear optical applications. <i>Journal of the American Chemical Society</i> , 1991 , 113, 5471-5474	16.4	70
399	Synchrotron X-Ray Study of the Orientational Ordering D2D1 Structural Phase Transition of Freely Suspended Discotic Strands in Triphenylene Hexa-n-dodecanoate. <i>Physical Review Letters</i> , 1984 , 53, 1172-1175 ⁷⁰	7.4	70
398	Nanometer molecular lithography. <i>Applied Physics Letters</i> , 1986 , 48, 676-678	3.4	70
397	Self-Assembly in Surfactant Oligomers: A Coarse-Grained Description through Molecular Dynamics Simulations. <i>Langmuir</i> , 2002 , 18, 1908-1918	4	68
396	Simultaneous Observation of Electric Field Coupling to Longitudinal and Transverse Ferroelectricity in a Chiral Liquid Crystal. <i>Physical Review Letters</i> , 1996 , 77, 2237-2240	7.4	68
395	The field induced stripe texture in surface stabilized ferroelectric liquid crystal cells. <i>Ferroelectrics</i> , 1991 , 121, 127-136	0.6	68
394	Chirality-preserving growth of helical filaments in the B4 phase of bent-core liquid crystals. <i>Journal of the American Chemical Society</i> , 2011 , 133, 12656-63	16.4	67
393	Design and synthesis of new ferroelectric liquid crystals. 5. Properties of some chiral fluorinated FLCs: a direct connection between macroscopic properties and absolute configuration in a fluid phase. <i>Journal of the American Chemical Society</i> , 1988 , 110, 8686-8691	16.4	67

- 392 Surface electroclinic effect in chiral smectic-A liquid crystals. *Physical Review Letters*, **1990**, 64, 307-310 7.4 65
- 391 X-Ray Study Of Freely Suspended Films Of A Multilamellar Lipid System. *Molecular Crystals and Liquid Crystals*, **1987**, 144, 235-255 63
- 390 Organization of the polarization splay modulated smectic liquid crystal phase by topographic confinement. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 21311-5 11.5 62
- 389 Left- and right-handed helical tubule intermediates from a pure chiral phospholipid. *Physical Review E*, **1999**, 59, 3040-3047 2.4 62
- 388 Four-ring achiral unsymmetrical bent core molecules forming strongly fluorescent smectic liquid crystals with spontaneous polar and chiral ordered B7 and B1 phases. *Journal of Materials Chemistry*, **2010**, 20, 7332 61
- 387 Observation of a chiral-symmetry-breaking twist-bend instability in achiral freely suspended liquid-crystal films. *Physical Review Letters*, **1994**, 73, 2332-2335 7.4 59
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- 384 Physical polymerization and liquid crystallization of RNA oligomers. *Journal of the American Chemical Society*, **2008**, 130, 12864-5 16.4 58
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- 382 Reconfigurable LC Elastomers: Using a Thermally Programmable Monodomain To Access Two-Way Free-Standing Multiple Shape Memory Polymers. *Macromolecules*, **2018**, 51, 5812-5819 5.5 57
- 381 Director orientation in chevron surface-stabilized ferroelectric liquid crystal cells. Verification of orientational binding at the chevron interface using visible polarized light transmission spectroscopy. *Liquid Crystals*, **1990**, 7, 753-785 2.3 57
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- 378 First-principles experimental demonstration of ferroelectricity in a thermotropic nematic liquid crystal: Polar domains and striking electro-optics. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 14021-14031 11.5 55
- 377 Self-assembled monolayers for liquid crystal alignment: simple preparation on glass using alkyltrialkoxysilanes. *Liquid Crystals*, **2004**, 31, 481-489 2.3 55
- 376 Orientational bias of carbonyl groups in the chiral smectic C phase. *Ferroelectrics*, **1996**, 180, 213-225 0.6 55
- 375 An Approach to the Design of Ferroelectric Liquid Crystals with Large Second Order Electronic Nonlinear Optical Susceptibility. *Molecular Crystals and Liquid Crystals*, **1991**, 198, 51-60 55

374	Liquid crystal self-assembly of random-sequence DNA oligomers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 1110-5	11.5	54
373	The first bent-core mesogens exhibiting a dimorphism B 7BmCP A. <i>Journal of Materials Chemistry</i> , 2004 , 14, 2492		54
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371	Electric-field-induced chirality flipping in smectic liquid crystals: the role of anisotropic viscosity. <i>Physical Review Letters</i> , 2006 , 96, 067802	7.4	53
370	Inelastic light scattering from density fluctuations in dilute gases. The kinetic-hydrodynamic transition in a monatomic gas. <i>Physical Review A</i> , 1975 , 12, 232-244	2.6	53
369	Photo-reversible liquid crystal alignment using azobenzene-based self-assembled monolayers: comparison of the bare monolayer and liquid crystal reorientation dynamics. <i>Langmuir</i> , 2010 , 26, 17482-4		52
368	Layer-scale optical chirality of liquid-crystalline phases. <i>Physical Review Letters</i> , 2005 , 95, 107802	7.4	52
367	Dynamics and Shear Orientation Behavior of a Main-Chain Thermotropic Liquid Crystalline Polymer. <i>Macromolecules</i> , 1999 , 32, 5581-5593	5.5	52
366	Phase behaviour and electro-optic characteristics of a polymer stabilized ferroelectric liquid crystal. <i>Liquid Crystals</i> , 1995 , 19, 719-727	2.3	52
365	Critical behavior near a vanishing miscibility gap. <i>Physical Review Letters</i> , 1985 , 54, 49-52	7.4	52
364	Preparation of large monodomain phospholipid bilayer smectic liquid crystals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1975 , 72, 840-3	11.5	52
363	Intense Ruby-Laser-Induced Acoustic Impulses in Liquids. <i>Journal of the Acoustical Society of America</i> , 1966 , 40, 1462-1466	2.2	51
362	Direct observation of the Brownian motion of a liquid-crystal topological defect. <i>Physical Review Letters</i> , 1992 , 68, 804-807	7.4	50
361	Multistep hierarchical self-assembly of chiral nanopore arrays. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 14342-7	11.5	49
360	Alignment of liquid crystals by topographically patterned polymer films prepared by nanoimprint lithography. <i>Applied Physics Letters</i> , 2007 , 90, 163510	3.4	49
359	Melting and Liquid Structure in two Dimensions. <i>Advances in Chemical Physics</i> , 2007 , 543-709		49
358	Nanoconfinement of guest materials by helical nanofilament networks of bent-core mesogens. <i>Soft Matter</i> , 2013 , 9, 462-471	3.6	48
357	Structure and dynamics of ferroelectric liquid crystal cells exhibiting thresholdless switching. <i>Physical Review E</i> , 2002 , 65, 021708	2.4	48

356	Surface Tension Obtained from Various Smectic Free-Standing Films: The Molecular Origin of Surface Tension. <i>Langmuir</i> , 1998 , 14, 4330-4341	4	48
355	Design and synthesis of ferroelectric liquid crystals. 15.1 FLC materials for nonlinear optics applications. <i>Ferroelectrics</i> , 1991 , 121, 247-257	0.6	48
354	The measurement of second-harmonic generation in novel ferroelectric liquid crystal materials. <i>Journal of Applied Physics</i> , 1991 , 70, 3426-3430	2.5	48
353	Determination of the colloidal crystal nucleation rate density. <i>Phase Transitions</i> , 1990 , 21, 139-155	1.3	48
352	Main-Chain Ferroelectric Liquid Crystal Oligomers by Acyclic Diene Metathesis Polymerization1. <i>Journal of the American Chemical Society</i> , 1996 , 118, 2740-2741	16.4	47
351	Thermotropic liquid crystals from biomacromolecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 18596-600	11.5	46
350	Freely Suspended Strands of Tilted Columnar Liquid-Crystal Phases: One-Dimensional Nematics with Orientational Jumps. <i>Physical Review Letters</i> , 1982 , 48, 1407-1410	7.4	45
349	Method for characterizing self-assembled monolayers as antirelaxation wall coatings for alkali vapor cells. <i>Journal of Applied Physics</i> , 2008 , 104, 023534	2.5	44
348	X-ray diffraction and electron microscope study of phase separation in rod outer segment photoreceptor membrane multilayers. <i>Biophysical Journal</i> , 1982 , 39, 241-51	2.9	44
347	Distinct differences in the nanoscale behaviors of the twist-bend liquid crystal phase of a flexible linear trimer and homologous dimer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 10698-10704	11.5	43
346	Topographic-pattern-induced homeotropic alignment of liquid crystals. <i>Physical Review E</i> , 2009 , 79, 041704	7.4	43
345	Isodesmic self-assembly in lyotropic chromonic systems. <i>Liquid Crystals</i> , 2002 , 29, 619-626	2.3	43
344	Anticlinic Smectic- C Surfaces on Smectic- A Freely Suspended Liquid-Crystal Films. <i>Physical Review Letters</i> , 1999 , 82, 2508-2511	7.4	43
343	Direct measurement of orientation correlations in a two-dimensional liquid-crystal system. <i>Physical Review A</i> , 1988 , 38, 1573-1589	2.6	43
342	Crossover between 2D and 3D fluid dynamics in the diffusion of islands in ultrathin freely suspended smectic films. <i>Physical Review Letters</i> , 2010 , 105, 268304	7.4	42
341	Near-Atomic Resolution Imaging of Ferroelectric Liquid Crystal Molecules on Graphite by STM. <i>Science</i> , 1995 , 267, 1144-7	33.3	42
340	Ferroelectric Liquid Crystals for Nonlinear Optics: Orientation of the Disperse Red 1 Chromophore along the Ferroelectric Liquid Crystal Polar Axis <i>Journal of the American Chemical Society</i> , 1996 , 118, 1211-1212	16.4	42
339	Effect of microstructure on magnetic properties and anisotropy distributions in Co/Pd thin films and nanostructures. <i>Physical Review B</i> , 2009 , 80,	3.3	41

338	Dynamic polarized infrared spectroscopy of electric field-induced molecular reorientation in a chiral smectic-A liquid crystal. <i>Physical Review Letters</i> , 1995 , 75, 2344-2347	7.4	41
337	Surface orientation transitions in surface stabilized ferroelectric liquid crystal structures. <i>Applied Physics Letters</i> , 1988 , 53, 2397-2399	3.4	41
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332	Probing and controlling liquid crystal helical nanofilaments. <i>Nano Letters</i> , 2015 , 15, 3420-4	11.5	38
331	Orientation of a helical nanofilament (B4) liquid-crystal phase: topographic control of confinement, shear flow, and temperature gradients. <i>Advanced Materials</i> , 2011 , 23, 1962-7	24	38
330	Liquid crystal alignment on a chiral surface: interfacial interaction with sheared DNA films. <i>Langmuir</i> , 2008 , 24, 10390-4	4	38
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328	Two-dimensional microrheology of freely suspended liquid crystal films. <i>Physical Review Letters</i> , 2011 , 107, 268301	7.4	37
327	Polarization splay as the origin of modulation in the B1 and B7 smectic phases of bent-core molecules. <i>Physical Review E</i> , 2008 , 77, 021703	2.4	37
326	Textures in hexatic films of nonchiral liquid crystals: Symmetry breaking and modulated phases. <i>Physical Review E</i> , 1994 , 49, 3207-3224	2.4	37
325	Abiotic ligation of DNA oligomers templated by their liquid crystal ordering. <i>Nature Communications</i> , 2015 , 6, 6424	17.4	36
324	A bow-phase mesogen showing strong, robust analog electro-optics. <i>Journal of Materials Chemistry</i> , 2001 , 11, 2743-2747		36
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319	A modulated helical nanofilament phase. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5254-7	16.4	35
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